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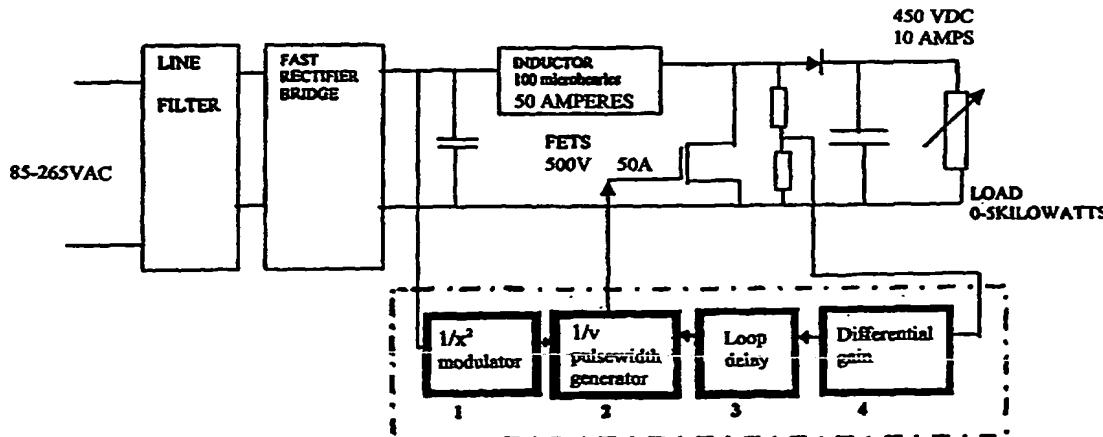
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WO 03/058797 A1

(57) Abstract: A power factor controller or corrector is provided in a regulated power supply circuit, in which the load and line regulation circuitry is separate from one another and in which the line regulation is provided with a $1/x^2$ modulator in which the switching frequency is inversely proportional to the square of the line voltage.